

## DeMaria, Eva

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**From:** Allen, Michael <AllenMC@cdmsmith.com>  
**Sent:** Friday, August 07, 2015 5:31 PM  
**To:** DeMaria, Eva  
**Cc:** Sheldrake, Sean  
**Subject:** RE: EVRAZ riverbank import material analytical data table

Sean & Eva:

Our review was quickly completed and briefly summarized below.

We had similar questions or requests as indicated by the input from Jennifer Sutter below, regarding the sample method and locational documentation.

Labeling the data table headings to include dates sampled and/or analyzed would be useful

The new analysis for "Owl Creek BF" and "BB-Total Comp", do not exceed import fill criteria for the non D/F analyses.

Note: pg/g is equivalent to ng/kg and conversion was used to compare to the criteria.

As DEQ noted; Octa CDD: Results for Owl Creek of 5.3 ng/kg is greater than import criteria of 5 ng/kg. No PRGs for this compound

The following is a summary of results with corresponding PRG criteria:

1,2,3,4,7,8-Hexa CDF: Owl Creek- Results 0.208 ng/kg which is greater than PRGs for RAO5 (0.002275 ng/kg) and RAO9 (0.002275 ng/kg) but less than Import Criteria. Results non detect for Daybreak BB-Comp, with DL lower than PRG values.

1,2,3,7,8-Penta CDD: Results non-detect for both Owl Creek and Daybreak BB-Comp. DL below PRGs.

1,2,3,7,8-Penta CDF: Results non-detect for both Owl Creek and Daybreak BB-Comp. DL below PRGs.

2,3,7,8-Tetra CDD: Results non-detect for both Owl Creek and Daybreak BB-Comp. DL below PRGs.

2,3,7,8-Tetra CDF: Results for Owl Creek 0.128 ng/kg lower than both the import criteria and PRGs.

### Michael C. Allen P.E.

Principal

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**From:** DeMaria, Eva [<mailto:DeMaria.Eva@epa.gov>]  
**Sent:** Friday, August 07, 2015 12:58 PM  
**To:** Allen, Michael  
**Cc:** Sheldrake, Sean  
**Subject:** FW: EVRAZ riverbank import material analytical data table

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**From:** SUTTER Jennifer [<mailto:SUTTER.Jennifer@deg.state.or.us>]  
**Sent:** Thursday, August 06, 2015 3:46 PM  
**To:** 'Craig Heimbucher'  
**Cc:** Drew Gilpin ([Drew.Gilpin@evrazna.com](mailto:Drew.Gilpin@evrazna.com)); Debbie Deetz Silva ([Debbie.Deetz.Silva@evrazna.com](mailto:Debbie.Deetz.Silva@evrazna.com)); SUTTER Jennifer ([jennifer.sutter@state.or.us](mailto:jennifer.sutter@state.or.us)); Linda Baker; Mike Byers ([mike.byers@creteconsulting.com](mailto:mike.byers@creteconsulting.com)); Jane Sund; DeMaria, Eva;

Sheldrake, Sean; PETERSON Jenn L; [poulsen.mike@deg.state.or.us](mailto:poulsen.mike@deg.state.or.us)

**Subject:** RE: EVRAZ riverbank import material analytical data table

Thanks Craig

The summary data look good.

Please provide the following:

1. Laboratory sheets with QA documentation for results for which this has not already been provided.
2. Description of fill sources.
3. Summary of sample collection procedures.
4. For dioxin results, include dioxin TEQ values (fish, bird, mammal) in the data summary, at a minimum for any samples where congeners were detected above the import criteria.

I will be out of the office tomorrow and won't be able to check my email until late in the day. I will take a look at whatever is sent over the weekend, however. It is possible that Mike Poulsen and Jennifer Peterson will be able to look at the dioxin data tomorrow (they are in a meeting all day however) so please send the data to them as well.

Feel free to call if you have any questions.

Jennifer Sutter

Project Manager, DEQ NWR Cleanup and Tanks

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**From:** Craig Heimbucher [<mailto:cheimbucher@integral-corp.com>]

**Sent:** Thursday, August 06, 2015 2:33 PM

**To:** SUTTER Jennifer ([jennifer.sutter@state.or.us](mailto:jennifer.sutter@state.or.us)); [DeMaria.Eva@epa.gov](mailto:DeMaria.Eva@epa.gov); [sheldrake.sean@epa.gov](mailto:sheldrake.sean@epa.gov)

**Cc:** Drew Gilpin ([Drew.Gilpin@evrazna.com](mailto:Drew.Gilpin@evrazna.com)); Debbie Deetz Silva ([Debbie.Deetz.Silva@evrazna.com](mailto:Debbie.Deetz.Silva@evrazna.com)); Linda Baker; Mike Byers ([mike.byers@creteconsulting.com](mailto:mike.byers@creteconsulting.com)); Jane Sund

**Subject:** EVRAZ riverbank import material analytical data table

Jennifer, Eva, Sean,

Attached is a spreadsheet summarizing the EVRAZ riverbank import material chemistry data we have collected to date for beach, berm and bank import material. We are still waiting on dioxin/furan results for the Owl Creek berm fill and the BB-Total beach backfill composite samples. We expect results today or tomorrow and will send you the results as soon as we receive them.

All recent analytical for the beach backfill (BB-Total Comp) and berm backfill (Owl Creek BF) are below the import criteria. In order to keep the project moving forward, we would greatly appreciate your feedback within a few hours of receiving the dioxin/furan data. Ideally we'd like to let the contractor know if they can begin importing berm and beach material by Monday.

Let me know if you have any questions or comments on the attached tables.

Thanks,

Craig Heimbucher, P.E. | Senior Engineer

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